

ABRAM URBAN DISTRICT COUNCIL.

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**Medical Officer's Annual Report, 1908.**

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SPRINGFIELD HOUSE,

ABRAM,

JANUARY, 1909.

To the Chairman and Members of the Abram Urban District Council.

Gentlemen,

I have much pleasure in presenting to you my report on the health of your District for the year ending December 31st, 1908, together with Vital Statistics appertaining thereto. In doing so I cannot omit to mention the disastrous calamity which the township sustained on August 18th by the explosion at the Maypole Colliery. By this explosion 76 men and boys met their death, but these deaths are not included in my report, no official information having been received of them from the registrar owing to the fact that the enquiry is not yet concluded.

The estimated population to the first of July was 7,180, and it is on these figures that I have based the various Statistics. Last year the estimated population was 7,160, and during this year 7 new houses have been erected and tenanted. There is also a net increase of 156 births over the deaths, while on the contra side we have several untenanted houses, due to the removals from the district, &c., which reduce our population and bring it approximately to 7,180. The death rate is slightly lower than last year, and the birth rate is considerably higher. The Infantile Mortality rate, 105 per 1000 births, is the lowest recorded of any year for which I can find statistics, whilst the number of notifications is considerably lower than in previous years, and prove undisputably, to my mind, the great value of the Sanitary work done by the Council, and the usefulness of the Isolation Hospital. Below will be found a detailed statement of some of the facts stated above.

*Deaths.* 87 have been registered in the district, and 4 belonging to the district occurred in Institutions in Wigan, making a total of 91, and giving a mortality rate of 12.67 per thousand of a living population. This is .31 lower than the rate for 1907, and 7.56 lower than the average for the previous 10 years.

The ages of death are as follows: Under 1 year, 24; 1 and under 5, 9; 5 and under 15, 7; 15 and under 25, 6; 25 and under 65, 31; over 65, 14.

This includes 2 deaths in illegitimate children under 12 months, when compared with last year one finds that up to 15 years the number is smaller by 15, while beyond that age the number is greater by 13.

The Ward distribution is as follows:

		Total Deaths.		Deaths under 1 Year.		Rate per Thousand of Population.
Abram Brow	...	34	...	10	...	15.52
Bamfurlong	...	18	...	5	...	7.52
Bickershaw	...	22	...	7	...	14.93
Plank Lane	...	17	...	2	...	15.13

The comparison of these figures with those of the previous year show Abram Brow Ward an increased rate of 5.37, Bamfurlong Ward a decrease of 5.12, Bickershaw Ward an increase of 2.09, and Plank Lane a decrease of 2.86.

*Zymotic Death Rate.* 9 deaths from Zymotic Diseases (including Diarrhœa), this being 12 less than last year, and giving a mortality rate of 1.25 per thousand, which compares very favourably with 2.93 per thousand of the previous year.

These Zymotic deaths comprise Enteric Fever and Diarrhœa 4 each, and Measles 1.

Their Ward distribution and the several rates per thousand of each ward are as follows:

		Deaths from Zymotic Diseases.		Rate per thousand of Population.
Abram Brow	...	4	...	1.82
Bamfurlong	...	1	...	.41
Bickershaw	...	4	...	2.71
Plank Lane	...	nil	...	nil

*Births.* 227 births have been registered, consisting of 114 Boys and 113 Girls (4 boys and 3 girls illegitimate), which gives a birth rate of 31.61 per thousand, being 4.80 higher than that of last year, but 6.73 lower than the average rate for the preceding 10 years.

The Ward Distribution is as follows:

		Boys.		Girls.		Total.		Rate per thousand of Population.
Abram Brow	...	29	..	37	...	66	...	30.1
Bamfurlong	...	36	..	36	...	72	...	30.08
Bickershaw	...	28	...	21	...	49	...	33.2
Plank Lane	...	21	...	19	...	40	...	35.3

On comparing the above with the figures for 1907 it will be seen that every ward shows an increased birth rate, this being most marked in Plank Lane, where the increase is 10.39 per thousand.

*Notifications.* These show a marked decrease from last year, there being only 56, as compared with 88 of the previous year.

Scarlet Fever shows the most marked decrease, there being 18 notified this year, and last year there were 30. Diphtheria also shows a marked decrease, 21 for 1908, and 33 for 1907.

Enteric Fever, 8 for 1907, and 7 for 1908, a decrease of 1, and Erysipelas 10 for 1908, and 16 for 1907, a decrease of 6. The ward distribution is as follows:

	Abram Brow.	Bickershaw.	Bamfurlong.	Plank Lane.	Total.					
Scarlet Fever	...	7	...	4	...	18				
Diphtheria	...	10	...	4	...	21				
Enteric Fever	...	4	...	1	...	2	...	nil	...	7
Erysipelas	...	4	...	nil	...	4	...	2	...	10
<hr/>										
Totals	25	...	9	...	14	...	8	...	56	

Bickershaw Ward is the only one to show an increased number of cases over the previous year, there being 9 in 1908 and 5 in 1907.

Abram Brow Ward has 10, Bamfurlong 18, and Plank Lane 8, less than the previous year. Of the infectious diseases notified 19 were removed to the Isolation Hospital, (13 of Scarlet Fever and 6 of Enteric Fever).

#### Periodicity and General Remarks on Diseases prevalent throughout the year:

*Scarlet Fever.* This disease has not been so prevalent as in previous years, as evidenced by the reduction in the number of cases notified. March, May and June were the months in which most cases occurred, and Abram Brow Ward the part of the District most implicated, while in January, November and December, we had no cases at all notified. There have been no deaths from this disease during the year.

*Diphtheria.* With the exception of the months January and August, this disease has been present throughout the year, but more particularly in February, March, May and June. Abram Brow Ward is again at the head of the cases notified, almost one half of them being in this part of the district. No deaths have taken place from this disease. None of these cases were removed to the Hospital, but Diphtheritic anti-toxin is supplied free of charge to Medical men requiring the same.

*Enteric Fever.* There have been 7 cases in all, November being the month in which more than one case was notified; 4 deaths have occurred from this disease, 3 in the Hospital and 1 at home, the latter patient being too ill to be removed when notified.

The district is entirely free from Small Pox and Puerperal Fever.

*Erysipelas.* 10 cases have occurred with no deaths, and spread over the district generally, except in Bickershaw.

Of the non-notifiable but Infectious Diseases, the district has been very free, only one fatal case of measles taking place, and that was early in the year.

*Whooping Cough.* The district has been free from this until December, when it showed itself more particularly in Bickershaw Ward. So far, however, without any fatal results.



*Diarrhæa* was not so prevalent nor so fatal as in previous years, 3 deaths only being registered from this cause, as compared with 6 for 1907, and 12 for 1906. Abram Brow, Bamfurlong and Bickershaw Wards have each 1 death, Plank Lane having none.

*Phthisis.* 3 deaths; this compares favourably with 7 for the previous year. Abram Brow, Bickershaw, and Plank Lane Wards having one each. The mortality rate per thousand for this disease is .41.

Other Tubercular diseases have caused 2 deaths, this being 1 less than the previous year.

*Cancer.* 3 deaths and a mortality rate of .41 per thousand, comparing favourably with 5 and .69 per thousand respectively for the previous year.

*Respiratory Diseases.* Pneumonia and Bronchitis have caused 19 deaths, this being 4 less than the previous year. The rate per thousand is 2.6. From these diseases Abram Brow Ward has 5 Pneumonia and 1 Bronchitis, Bamfurlong Ward 1 each Pneumonia and Bronchitis, Bickershaw Ward 6 Pneumonia and 1 Pronchitis, and Plank Lane Ward 4 Bronchitis.

*Heart Disease* shows 11 deaths, giving a rate of 1.39 per thousand. This is a great increase on the number of cases (4) for the previous year.

*Venereal Diseases* have caused 1 death, this being the same as in the previous year.

*Premature Birth.* 4 deaths from this cause, being 2 more than in the previous year.

*Accidents.* 9, the same number as last year, 7 of these being the result of accidents in mines, 1 an ice accident, and 1 a case of scalding. Bamfurlong and Bickershaw Wards have 3 each, Abram Brow Ward 2, and Plank Lane Ward 1. All other causes total 26, Abram Brow 9, Bickershaw 5, Bamfurlong and Plank Lane, 6 each. Uncertified deaths number 6, 3 more than last year.

*The Factory and Workshops Acts.* I have visited all the bakehouses throughout the district, and found them in a satisfactory condition. The workshops have also been inspected, two places requiring limewashing and one overcrowded being dealt with.

The premises consist of:

Bakehouses	...	...	...	...	7
Workshops	...	...	...	...	11
Workplaces	...	...	...	...	11
					—
Total					29
					—

*Dairies and Cowsheds* have all been visited from time to time, and found to be generally free from complaint. In several places improved drainage and lighting has been requested.

During the year a slaughter-house has been erected, but is not quite completed. After recommendation the Council are adopting new Byelaws for Private Slaughter-houses.

A very careful watch has been kept throughout the year on the various hawkers of food stuffs, and although in one or two instances a warning has been administered, no legal proceedings have been taken.

The Water Supply has been kept under constant supervision, and a case of tipping rubbish near to the Service Reservoir at Stubshaw Cross at once satisfactorily dealt with.

The average consumption of water per head per day for domestic purposes is  $8\frac{1}{2}$  gallons.

The District Nurse has paid 3,518 visits during the year, and has again proved her value in a township like ours.

In my last Annual Report I drew your attention specially to the unsatisfactory statistics of Plank Lane Ward, and I am pleased to say that the Report for 1908 is much more favourable all round. There is no doubt that a great improvement has been effected in Talbot Road property, and if the common yards, &c., such as Clegg's Yard, Clegg Street, Howard Street, and Shovelton Street, were paved, the improvement would be further enhanced.

The main road at Plank Lane has also been paved and flagged, and it is very gratifying to notice the greater cleanliness and better appearance which has resulted therefrom.

I am,

Yours obediently,

A. O. BENTHAM,

Medical Officer of Health.

TABLE I.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1908 AND PREVIOUS YEARS.  
DISTRICT OF ABRAM.

YEAR	Population estimated to Middle of each Year	BIRTHS		TOTAL DEATHS REGISTERED. IN THE DISTRICT				Total Deaths in Public Institu- tions in the District	Deaths of Non- residents registered in Public Institu- tions in the District 10	Deaths of Residents registered in Public Institu- tions beyond the District 11	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Number	Rate*	Under 1 Year of Age		At all Ages					Number	Rate*
				Number	Rate per 1000 Births regist'd 6	Number	Rate*					
1	2	3	4	5	6	7	8	9	10	11	12	13
1898	5054	238	47.0	59	247	130	25.72	...	...	...	128	25.32
1899	5175	235	45.4	57	242	111	21.40	...	...	...	111	21.40
1900	5277	252	47.7	57	230	145	27.40	...	...	...	145	27.40
1901	6325	248	39.2	56	225	164	25.92	...	...	5	169	26.71
1902	6409	246	38.3	43	178	120	18.72	...	...	4	124	19.34
1903	6556	270	41.0	56	207	143	21.81	...	...	7	150	22.87
1904	6660	205	30.7	41	200	123	18.40	2	...	5	128	19.20
1905	6820	233	34.1	38	163	96	14.07	1	...	4	100	14.60
1906	7169	238	33.19	31	130	84	11.20	..	...	6	90	12.50
1907	7160	192	26.81	28	145	88	12.29	4	...	5	93	12.98
Averages for years 1898-1907	6260	235	38.34	46	196	120	19.69	...	...	...	123	20.23
1908	7180	227	31.61	23	101	87	12.11	3	...	4	91	12.67

\* Rate in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

I. Institutions within the District receiving sick and infirm persons from outside the District.	II. Institutions outside the District receiving sick and infirm persons from the District.	III. Other institutions, the deaths in which have been distributed among the several localities in the District.
Nil.	Wigan Infirmary Wigan Union Hospital	Abram Sanatorium
Is the Union Workhouse within the District? No.		

TABLE II.

Vital Statistics of separate Localities in 1908 and previous years.

District of Abram.

NAMES OF LOCALITIES.	Whole District.				Abram Brow Ward.				Bamfurlong Ward.				Bickershaw Ward.				Plank Lane Ward.			
	Population esti- mated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to the middle each year	Births registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year
1898	5054	238	128	59	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1899	5175	235	111	57	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1900	5277	252	145	57	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1901	6325	248	169	56	1752	..	..	..	1985	..	..	..	1420	..	..	..	1144	..	..	..
1902	6409	246	124	43	..	..	35	..	..	..	45	..	..	..	20	..	..	24	..	..
1903	6556	270	150	56	..	..	35	22	..	..	37	13	..	..	32	10	..	46	11	..
1904	6660	205	128	41	..	..	38	12	..	..	30	8	..	..	34	13	..	26	8	..
1905	6820	233	100	38	2128	..	41	21	2139	..	24	11	1467	..	20	2	1086	..	15	4
1906	7169	238	90	31	2192	69	36	14	2373	71	21	8	1480	57	18	5	1124	41	15	4
1907	7160	192	93	28	2190	53	24	7	2373	69	30	11	1473	42	19	3	1124	28	20	7
Averages of Years 1898 to 1907.	6260	235	123	46	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1908	7180	227	91	24	2190	66	34	10	2393	72	18	5	1473	49	22	7	1124	40	17	2



TABLE III.

Cases of Infectious Disease notified during the Year 1908.  
District of ABRAM.

NOTIFIABLE DISEASE.		CASES NOTIFIED IN WHOLE DISTRICT.							TOTAL CASES NOTIFIED IN EACH LOCALITY.				NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.				Deaths in Hospital removed from this District.
		At Ages—Years.						At all Ages	1	2	3	4	1	2	3	4	
		Under I	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards										
Diphtheria (including Membranous Croup)	...	...	1	11	6	3	...	21	10	5	4	2	..	...	...	...	...
Erysipelas	...	...	1	1	1	5	2	10	4	4	...	2	...	...	...	...	...
Scarlet Fever	...	...	11	6	1	...	...	18	7	3	4	4	7	1	1	4	13
Enteric Fever	...	...	...	3	3	1	...	7	4	2	1	...	4	2	...	...	6
Other Causes	...	...	...	...	...	...	...	...	4	...	...	...	4	...	...	...	...
Totals	...	...	13	21	11	9	2	56	25	14	9	8	11	3	1	4	19

Isolation Hospital—Abram Sanatorium, Park Lane, Abram.  
Number of Diseases that can be concurrently treated—2.  
Total available beds—8.



TABLE IV.

Causes of, and Ages at, Death during Year 1908.

District of ABRAM.

CAUSE OF DEATH				DEATHS AT THE SUBJOINED AGES OF "RESIDENTS" WHETHER OCCURRING IN OR BEYOND THE DISTRICT.							DEATHS AT ALL AGES OF "RESIDENTS" BELONGING TO LOCALITIES, WHETHER OCCURRING IN OR BEYOND THE DISTRICT				Total Deaths whether of "Residents" or "non- Residents" in Public Institutions in the District
				All Ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and up- wards	Abram Brow Ward	Bamfur- long Ward	Bicker- shaw Ward	Plank Land Ward	
				2	3	4	5	6	7	8	9	10	11	12	
Measles	...	...	...	1	...	...	1	...	...	...	...	...	1	...	...
Fever—Enteric	...	...	...	4	...	...	1	2	1	...	3	...	1	...	3
Diarrhoea	...	...	...	3	2	1	...	...	...	...	1	1	1	...	...
Enteritis	...	...	...	2	1	...	...	...	...	1	1	...	1	...	...
Phthisis (Pulmonary Tuberculosis)	...	...	...	3	...	...	1	...	2	...	1	...	1	1	...
Other tubercular diseases	...	...	...	2	...	2	...	...	...	...	...	1	...	1	...
Cancer, malignant disease	...	...	...	3	...	...	...	...	2	1	2	1	...	...	...
Bronchitis	...	...	...	7	1	2	...	...	3	1	1	1	1	4	...
Pneumonia	...	...	...	12	6	2	...	...	4	...	4	2	6	...	...
Alcoholism, Cirrhosis of liver	...	...	...	2	...	...	...	...	1	1	2	...	...	...	...
Venereal diseases	...	...	...	1	1	...	...	...	...	...	...	...	...	1	...
Premature birth	...	...	...	4	4	...	...	...	...	...	1	2	1	...	...
Diseases and Accidents of parturition	...	...	...	1	...	...	...	...	1	...	...	1	...	...	...
Heart diseases	...	...	...	11	...	...	2	2	5	2	6	1	1	3	...
Accidents	...	...	...	9	...	...	2	1	5	1	3	2	3	1	...
All other causes	...	...	...	26	9	2	...	1	7	7	9	6	5	6	...
All causes	...	...	...	91	24	9	7	6	31	14	34	18	22	17	3

A. O. BENTHAM, *Medical Officer of Health.*

January 20th, 1909.

TABLE V.

District of ABRAM.  
INFANTILE MORTALITY DURING THE YEAR 1908.  
Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.													Total Deaths under One Year.											
ALL CAUSES.	{	Certified	...	...	Under 1 Week	1-2 Weeks		2-3 Weeks		3-4 Weeks		Total under 1 Month	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	Total
						2	2	3	...	...	...													
ALL CAUSES.	{	Uncertified	...	...	2	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	3
		Diarrhoeal Diseases.	{	Diarrhoea, all forms	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Wasting Diseases	{	Gastritis, Gastro-intestinal Catarrh		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Premature Birth	...	...	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
Other Causes	{	Atrophy, Debility, Marasmus	...	...	1	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	1	5
		Syphilis	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Rickets	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
		Convulsions	...	...	...	1	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	2
		Bronchitis	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
		Pneumonia	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...
Totals			...	...	4	2	3	3	...	...	9	2	2	2	3	...	2	1	1	1	1	1	24	

Population (Estimated to middle of 1908.) 7180.

Deaths in the year of { legitimate infants 22.  
illegitimate ,, 2.

Births in the year { legitimate 220.  
illegitimate 7.

Deaths from all Causes at all Ages, 91.

**Annual Report of the Medical Officer of Health for Year 1908,  
for the Urban District of ABRAM,**

On the administration of the Factory and Workshop Act, 1901, in connection with  
Factories, Workshops, Workplaces, and Homework.

**1—INSPECTION of Factories, Workshops and Workplaces.**

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises	No. of Inspections.	No. of Written Notices.	No. of Prosecutions.
Workshops (including Workshop Laundries) ...	13	...	...
Workplaces (other than Outworkers' premises included in Part 3 of this Report) ...	19	...	...
Total	32	...	...

**2—DEFECTS FOUND in Factories, Workshops and Workplaces.**

				Number of Defects		Referred to H.M. Inspector.	No. of Prosecutions.
				Found.	Remedied.		
Overcrowding ...	...	...	...	1	1	...	...
Other nuisances ...	...	...	...	2	2	...	...
Total	...	...	...	3	3	...	...

**3—REGISTERED WORKSHOPS.**

Workshops on the Register (s. 131) at the end of the year.

									Number.
Bakehouses	...	...	...	...	...	...	...	...	7
Workshops—Tinsmith	...	...	...	...	...	...	...	...	1
Blacksmith	...	...	...	...	...	...	...	...	1
Wheelwright	...	...	...	...	...	...	...	...	1
Workplaces—Dressmakers	...	...	...	...	...	...	...	...	6
Baby Linen	...	...	...	...	...	...	...	...	2
Stocking Knitter...	...	...	...	...	...	...	...	...	1
Cloggers	...	...	...	...	...	...	...	...	8
Clogger and Shoemaker	...	...	...	...	...	...	...	...	1
Tailor	...	...	...	...	...	...	...	...	1
Total number of workshops on Register	...	...	...	...	...	...	...	...	28

January 20th, 1909.

A. O. BENTHAM,

Medical Officer of Health.

TABLE (C).

## COUNTY OF LANCASTER.

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Summary of Medical Officer's Report for 1908.

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Urban District of Abram.

Area in Statute Acres, <sup>1882</sup>~~1,882~~ Population (Census), 1901, 6,306. Population (Estimated) 1908, 7,180.

Name of Medical Officer of Health: A. O. Bentham. Salary: £40.

Births registered: Male, 114; Female, 113; Total, 227.

Deaths registered (Nett deaths belonging to the District): Male, 56; Female, 35; Total 91.

Number of Illegitimate Births registered, 7; Deaths of Illegitimates under one year of age, 2.

Birth Rate, 31.61. Death Rate, 12.67. Rate of Infant Deaths, under 1 year, to 1,000 Births, 105.

Death Rate from the † seven principal epidemic diseases per 1,000 of population, 1.11.

Diseases prevalent? None particularly.

What Action taken? — Any Schools Closed? No. If so, for what disease? —

What is the character of the Hospital Accommodation? For Small-pox: Corrugated Iron building; For other Infectious Diseases: Isolation Hospital. ‡ Is it Joint or otherwise? (See footnote): Not Joint. Number of Beds available for your District: For Small-pox, 4; For other Infectious Diseases, 8. Number of cases removed from your District? Small-pox: Nil; Diphtheria, Nil; Scarlet Fever, 13; Enteric Fever, 6; Total, 19. Deaths in Hospital of patients from your District? From what causes? Enteric Fever, 3.

How is Disinfection carried out? Houses, Sulphur Fumigation; § Clothing, Bedding, &c., Steam Disinfectors. Apparatus used: Manlove Allcot and Co. Where situated: Isolation Hospital Yard.

Number of cases of Infectious Disease reported under the Notification Act? 56. Are any Diseases not specifically mentioned in the Act notifiable (for instance, Measles, Whooping Cough, Diarrhoea, Chicken Pox, &c.)? If so, what are they? No. Has any arrangement been made for the 'voluntary' notification of Phthisis? No.

Is Diphtheritic Anti-Toxin supplied to Medical Practitioners free of charge? Yes.

† Small-pox; Scarlet Fever; Diphtheria and Membranous Croup; Fever—Typhus, Enteric and Continued; Measles; Whooping Cough and Diarrhoea.

‡ If you have the Joint use of Isolation Hospital belonging to neighbouring Authority, state nature of Agreement. Is any Retaining Fee paid?

§ If Apparatus at a Hospital is available is it used for the disinfection of Clothing, Bedding, &c., of patients not removed to the Hospital? If not, please state how disinfection is carried out in these cases.



## SUMMARY—continued.

Action taken under "The Housing of the Working Classes Acts" ...	No. of Houses condemned? Nil. Closed? Nil. Demolished? Nil. Made habitable? Nil.
From where is the Water Supply obtained? What is its condition? Is it subject to your inspection? ...	Liverpool Corporation. Good. Yes.
Is Scavenging carried out satisfactorily? How performed:—By Sanitary Authority, Contract, or Occupiers of Houses? ...	Yes. Two-thirds by the Council and one-third by contract.
How is the Refuse disposed of? ...	On Special tips.
Has a Destructor been provided? ...	No.
What is the character of Drainage and the form of Sewage Disposal ...	As before described.
Canal Boats: Number Inspected? ...	45.
Number of infringements of Acts?...	8.
What is the condition of Bakehouses?	Generally satisfactory.
Slaughter Houses?	Nil. Has a Public Abbatoir been provided? No.
Lodging Houses?	Nil. Are they Registered? —
What is the sanitary condition of the Schools? ... ..	Generally satisfactory.
Dairies, Cowsheds, and Milkshops—Are they periodically inspected? ...	Yes.
What is their condition? ... ..	Fair generally.
Have regulations been made under the Order of the L. G. B.? ...	Yes. Are they enforced? Yes.
Amount of air space in cubic feet required for each cow? ...	500 cubic feet.
Food unfit for Human Consumption: Amount seized? ... ..	Nil.
Department of Inspector of Nuisances	No. of Notices served? 74. Nuisances remedied? 390. No. of Legal Proceedings taken and result? Nil.
Closet accommodation of the District...	No. of Privy Middens? 1137. Pail Closets? 20. Fresh Water Closets? 98. Waste Water Closets? 2. No. of Privy Middens converted during 1908? To W.C.'s, 19; To Pails, &c., 1.
Smoke ... ..	No. of Observations? Nil. No. of Legal Proceedings taken and result? Nil. What is the time limit allowed for the emission of black smoke per hour? No time limit in force.

## SUMMARY—continued.

Has the Authority adopted—	...	“ The Infectious Disease (Prevention) Act, 1890 ” ? <del>No.</del> <i>Yes</i>
		“ The Public Health Acts Amendment Act, 1890 ” ? Yes.
		The Public Health Acts Amendment Act, 1907 ” ? Yes.
		“ The Notification of Births Act, 1907 ” ? No.
Notable sanitary improvements during 1908           ...           ...           ...           ...		Paving and flagging several yards common to many houses; improvements in property in Talbot Rd. Extra vent. shafts to sewers; conversion of privies to w.c.'s at St. John's School; and laying a surface water sewer.
Chief Sanitary requirements of District		The raising of sunken sewers. The paving of private streets. The paving of common yards.

## SANITARY INSPECTOR'S ANNUAL REPORT FOR 1908.

I beg to give below a summary of the work carried out in the Inspector of Nuisances and Sanitary Department for the year ending December 31st, 1908.

Stopped drains opened and cleaned ... ..	68
Drains taken up and relaid or renewed ... ..	81
Premises re-drained and connected to main sewer ... ..	1
Deep wet ashpits rendered dry ... ..	4
Leaking and defective ashpits and closets repaired ... ..	52
Privy middens rebuilt ... ..	2
Dry ashpits built ... ..	2
Water closets, new ... ..	6
Water closets converted from privies ... ..	19
Water closets converted from slop closet ... ..	1
	— 26
Shippons and old premises supplied with townswater ... ..	4
Back passages cleaned and ashed ... ..	9
Paving back yards round gullies, &c. ... ..	62
Defective slop-pipes, waste pipes, and ventilation shafts ... ..	7
Downspouts disconnected from drains ... ..	22
Keeping pigs as a nuisance ... ..	3
Poultry and pigeons removed from house yards ... ..	4
Defective spouts, roofs, &c. ... ..	5
Overcrowding ... ..	1
Houses limewashed ... ..	31
Dirty premises ... ..	4
Accumulation of manure and filth ... ..	2
	—
	Total 390

74 Notices were served in addition to letters and verbal intimation.

Five additional ventilators to the main sewer have been erected at Warrington Road and Plank Lane.

*Sewage Disposal Works.* These works have again been in every way satisfactory, and the three samples of effluent taken by the Mersey and Irwell Inspector, have not only been good but always near to the top of the list.

*Factory and Workshops Act, 1901.* Notices were served for overcrowding (1) and limewashing (2), and all attended to.

## Places on Register:

## Workshops:

Blacksmith	...	...	...	...	1
Wheelwright	...	...	...	...	1
Tinsmith	...	...	...	...	1
Cloggers	...	...	...	...	8
				—	11

## Workplaces:

Dressmaker	...	...	...	...	6
Baby Linen	...	...	...	...	2
Stocking Knitter	...	...	...	...	1
Tailor	...	...	...	...	1
Clogger and Shoemaker	...	...	...	...	1
				—	11
Bakehouses	...	...	...	...	7
				—	
				Total	29
				—	

*Disinfection.* Thirty-eight houses and one school have been fumigated, and the following articles passed through the disinfecter:

Beds	...	...	...	...	...	24
Bolsters and Pillows			...	...	...	45
Covers	...	...	..	...	...	34
Sheets	...	...	...	...	...	20
Blankets	...	...	..	...	...	34
Quilts	...	...	...	...	...	32
Nightdresses		...	...	...	...	16
Dresses and Frocks		...	...	...	...	16
Underclothing		...	...	...	...	44
Caps and Bonnets		...	..	...	...	15
Trousers, Jackets and Waistcoats				...	...	25
Pinafores	...	...	...	...	...	24
Sundry small articles		...	...	...	...	40
					Total	369

*Nightsoil.* This work has again been carried out satisfactorily.

The house gullies have been cleaned and disinfected.

*New Property.* Five new houses, two shops, and a stable have been completed during the year.

I beg to be, Gentlemen,

Your obedient Servant,

W. H. ROBY,

Inspector of Nuisances.